

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/007188

A. CLASSIFICATION OF SUBJECT MATTER		
Int.Cl. ⁷ G02B7/28, 7/34, G03B13/36, H04N5/335		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Int.Cl. ⁷ G02B7/28, 7/34, G03B13/36, H04N5/335		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched <small>Published examined utility model applications of Japan 1922-1996 Published unexamined utility model applications of Japan 1971-2005 Registered utility model specifications of Japan 1996-2005 Published registered utility model applications of Japan 1994-2005</small>		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 10-104503 A (CANON KABUSHIKI KAISHA) 1998.04.24, claim 1-4, 【0033】 & US 2002/0003582 A1 & EP 000834757 A2	1-4, 7, 9, 13 5, 6, 8, 10-12
X Y	JP 59-105606 A (CANON KABUSHIKI KAISHA) 1984.06.19, P.1-2 (family none)	1-4, 9, 13 5-8, 10-12
X Y	JP 61-028913 A (Olympus Optical Co., Ltd.) 1986.02.08, claim 1, P2-3 (family none)	1-4, 9, 13 5-8, 10-12
X Y	JP 06-018779 A (Kyocera Corporation) 1994.01.28, Claim 1, 2, 【0046】 (family none)	1-4, 9, 13 5-8, 10-12
X Y	JP 11-211467 A (CANON KABUSHIKI KAISHA) 1999.08.06, 【0017】、【0018】 (family none)	1-4, 9, 13 5-8, 10-12
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
<p>* Special categories of cited documents:</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>		
Date of the actual completion of the international search 13.05.2005		Date of mailing of the international search report 21.6.2005
Name and mailing address of the ISA/JP Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan		Authorized officer Yogo Yoshikawa Telephone No. +81-3-3581-1101 Ext. 3271
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-281877 A (Minolta Co., Ltd.) 1999.10.15, 【0033】 & US 006072956 A1	5, 6, 8
Y	JP 03-164709 A (Nikon Corporation) 1991.07.16, Claim2,3 (family none)	5, 6, 8
Y	JP 2004-020742 A (Olympus Optical Co., Ltd.) 2004.01.22, 【0025】 & US 2004/0042780 A1	10, 11
Y	JP 2001-337264 A (CANON KABUSHIKI KAISHA) 2001.12.7, 【0043】 & US 2002/0003958 A1	10, 11
Y	JP 2003-107340 A (CANON KABUSHIKI KAISHA) 2003.04.09, 【0011】 & US 2003/0059216 & CN 001448696 A	12
Y	JP 2001-100258 A (Minolta Co., Ltd.) 2001.04.13, 【0121】 & US 006549730 B1	12